

AMENDMENT AND RESPONSE

Serial Number: 09/746,322

Filing Date: December 21, 2000

Title: NOVEL NAPHTHOPYRAN COMPOUNDS, PHOTORESPONSIVE COMPOSITIONS AND LENSES

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Dkt: 589.011US1

REMARKS CONCERNING THE AMENDMENTS

The above amendments have been made in an effort to more clearly define the present invention and to respond to issues in the Office Action.

The nature of the amendments is purely editorial, with no substantive new matter added by the amendments.

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SUMMARY OF THE OFFICE ACTION

All objections have been removed to place all claims into condition for allowance.

CONCLUSION

Applicant respectfully submits that the claims are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney (953)832.9090 to facilitate prosecution of this application.

Respectfully submitted,

Frank Hughes et al

By their Representatives,

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Date: December 8, 2003

By

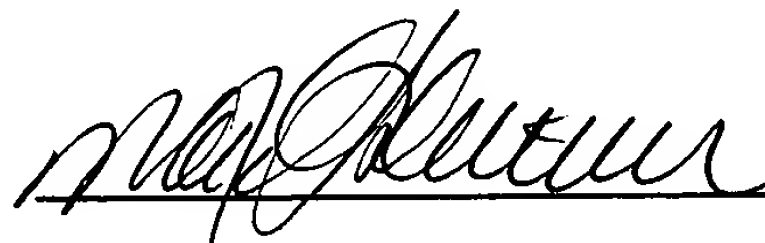

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to MAIL STOP: AF (AFTER FINAL), P.O. BOX 1450, Commissioner for Patents, Alexandria, VA 22313-1450 on September 10, 2003.

Name Mark A. Litman

Signature



To a solution of 1.1 grams of the above naphthol and 2.1 grams of 1,1-(4-methoxy-4'-pyrrolidino)diphenyl propargyl alcohol in 50 ml of toluene, catalytic amount of chloroacetic acid was charged. The solution was refluxed for 1.5 hours, followed by neutralization with sodium carbonate and water wash. The Organic phase was concentrated and run through a silica column with hexane/ethyl acetate 4:1 as eluent. 325 mg of the desired product was obtained. (Structure No.3 in the accompanying figures).

Example 3

structures 2 and 3

- 10 Two other dyes, the structures of all are shown as ~~No. I and No. II~~ ^Λ in the accompanying figures were also provided by essentially the identical procedures described above, by selection of the appropriate naphthol and propargyl alcohol. Each dye displayed photochromic behavior with two maximum peaks between 450 and 620 nm. It is a preferred characteristic of dyes of the present invention to display two absorption maximum peaks, one between 440 and 510 nm, the other
- 15 between 550 and 630 nm.